

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Original) A coplanar waveguide line comprising:
  - a substrate;
  - a central electrode strip on the substrate;
  - first and second electrode strips disposed on opposite sides of the central electrode strip and extending parallel thereto;
  - first and second optical waveguides on the substrate, the optical waveguides being positioned between the first and central electrode strips and extending parallel thereto;
  - the central electrode comprising at least one T-rail extending proximate to the first optical waveguide;
  - the first electrode comprising at least one T-rail extending proximate to the second optical waveguide;
  - the substrate comprising an  $n^+$  electrically conducting layer extending between the optical waveguides;
  - wherein the coplanar waveguide line further comprises an electrical connection between first and second electrode strips.
2. (Original) A coplanar waveguide line as claimed in claim 1, wherein the electrical connection between first and second electrode strips is an airbridge.
3. (Original) A coplanar waveguide line as claimed in claim 1, wherein the electrical connection is wire bonded between the first and second electrode strips.
4. (Original) A coplanar waveguide line as claimed in claim 1, wherein the electrical connection between first and second electrodes extends through the back of the substrate.

5. (Currently Amended) A coplanar waveguide line as claimed in claim 1 ~~any one of claims 1 to 4~~, comprising a plurality of electrical connections between first and second electrode strips, the electrical connections preferably being equally spaced.

6. (Currently Amended) A coplanar waveguide line as claimed in claim 1 ~~any one of claims 1 to 5~~, wherein at least one of the central electrode strip and first electrode strip comprises a plurality of T-rails, preferably equally spaced.

7. (Currently Amended) A coplanar waveguide line as claimed in claim 1 ~~any one of claims 1 to 6~~, wherein the T-rail comprises a contact pad electrically connected to the corresponding electrode strip by an airbridge.

8. (Original) A coplanar waveguide line as claimed in claim 7, wherein the contact pad abuts the optical waveguide.

9. (Currently Amended) A coplanar waveguide line as claimed in claim 1 ~~any one of claims 1 to 8~~, wherein the substrate comprises a first isolation trench which extends through the  $n^+$  electrically conducting layer between the first electrode strip and optical waveguides.

10. (Currently Amended) A coplanar waveguide line as claimed in claim 9 ~~any one of claims 1 to 9~~, wherein the substrate comprises a second isolation trench extending through the  $n^+$  electrically conducting layer between the central electrode strip and the optical waveguides.

11. (Currently Amended) A coplanar waveguide line as claimed in claim 10 ~~any one of claims 1 to 10~~, wherein the substrate comprises a third isolation trench extending through the  $n^+$  electrically conducting layer between the central electrode strip and the second electrode strip.

12. (Currently Amended) A Mach-Zehnder modulator including a coplanar waveguide line as claimed in claim 1 ~~any one of claims 1 to 11~~.

13. - 16. (Cancelled).